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AMSAT NEWS SERVICE
ANS-223

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://amsat.org publishes news of Amateur Radio in space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat dot org.

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ANS-223 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 223.01
>From AMSAT HQ KENSINGTON, MD.
August 11, 2019
To All RADIO AMATEURS
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50th Anniversary AMSAT Space Symposium Banquet Speakers Announced - Tickets Now Available

AMSAT is pleased to announce that the AMSAT Symposium Saturday Evening Banquet on Saturday, October 19th will feature a panel of guest speakers presenting "The Foundations of AMSAT" followed by a question and answer period. Guest speakers will include:

- Lance Ginner, K6GSJ (Project OSCAR)
- George Jacobs, W3ASK (Author, Diplomat)
- Dr. Perry Klein, W3PK (Founding President of AMSAT)
- Dr. Owen Mace (Australis-OSCAR 5 Builder, University of Melbourne)
- Richard Tonkin (Australis-OSCAR 5 Builder, University of Melbourne)
- Jan King, W3GEY (Founding member of AMSAT and Australis-OSCAR 5 Project Manager)

The 50th Anniversary AMSAT Space Symposium and General Meeting will be held on Friday through Sunday, October 18-20, 2019, in Arlington, Virginia at The Hilton Arlington. Symposium registration is available for $60 from now until September 15th. Banquet tickets are $55. Tickets are now available on the AMSAT Store at https://www.amsat.org/product-category/amsat-symposium/

Tickets are also now available for the Sunday tour. On Sunday, October 20th, a bus tour will take attendees to the Steven F. Udvar-Hazy Center, an annex of the National Air and Space Museum. Two large hangars display thousands of aviation and space artifacts, including a Lockheed SR-71 Blackbird, a Concorde, and the Space Shuttle Discovery. Bus capacity is limited to 35 attendees. Tickets are $30 per person. Attendees who wish to drive may also join the tour group. Parking at the Udvar-Hazy Center is $15.

On Monday, October 21st, AMSAT President Joe Spier, K6WAO, will lead a walking tour of the National Mall. No reservations are required. Transportation to the National Mall will be via the Washington Metro.

Additional information, including hotel reservation information is available at https://www.amsat.org/amsat-symposium/

[ANS thanks the AMSAT Office for the above information]

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Detroit, Michigan September 20-22, 2019. The location will be located near the airport.

Technical Presentations & Papers are solicited for presentation at the DCC and for publication in the Annual Conference Proceedings. The proceedings are published by the ARRL. Submitting a paper is not required to make a presentation at the conference. Conversely, it is not necessary that a technical paper be presented at the DCC to be published in the annual proceedings.

Persons interested in making a technical presentation should contact TAPR President, Steve Bible, N7HPR at steven dot bible at gmail.com.

Submission of technical papers are due by August 12, 2019 and should be submitted to:

Maty Weinberg
ARRL 225 Main Street
Newington, CT 06111

or via the Internet to maty at arrl. dot org.

Full Details on Call for Papers & Submission Guidelines at:
https://www.tapr.org/dcc#dcccallforpapers

[ANS thanks Mark Thompson, WB9QZB for the above information.]

BRICSAT2 and PSAT2 Get OSCAR Designations

On June 25, 2019, the United States Naval Academy PSAT2 and BRICSAT2 cubesats were launched on a Falcon Heavy launch vehicle from the Kennedy Space Center in Florida. PSAT2 and BRICSAT2 were developed by Naval Academy students in the USNA Satellite Lab and operated in cooperation with the USNA Amateur Radio Club. PSAT2 carries a PSK31 transponder, digipeater, SSTV-downlinked camera images, and a DTMF to voice/APRS system. BRICSAT2 carries a digipeater and thruster experiment. Both satellites are currently active.

At the request of the Naval Academy Amateur Radio Club, AMSAT hereby designates BRICSAT2 as Navy-OSCAR 103 (NO-103), and PSAT2 as Navy-OSCAR 104 (NO-104). AMSAT congratulates the owners and operators,

thank them for their contribution to the amateur satellite community, and wish them a long mission and continued success on this and future projects.

[ANS thanks AMSAT VP Operations / OSCAR Number Administrator Drew Glasbrenner, KO4MA, for the above information.]

19th Global Symposium for Regulators

Small-Satellites, High Altitude Platform Stations (HAPS) and 47 GHz were among the topics discussed at the ITU-D 19th Global Symposium for Regulators in Port Vila, Vanuata, July 9-12.

The background paper 'Preparing for WRC-19 Understanding the issues at stake and the impact of decisions to be made' was among the meeting documents in which 47.0-47.2 GHz is noted as one of the candidate bands for IMT-2020 (International Mobile Telecommunications)

and 47.2-47.5 GHz for HAPS.

Regarding Small-Satellites the document says:

"At WRC-15, a proposal for a new agenda item for WRC-19 to consider modifications to the regulatory procedures for notifying satellite networks to accommodate nanosatellite and picosatellite missions was submitted. WRC-15 decided not to include this as a specific item on the WRC-19 agenda, because it concluded that this matter could best be dealt with by the ITU-R under the standing WRC agenda item 7.

"Considering that the size of a satellite is independent of the nature

of the service that it is intended to provide, a simplified regulatory regime needs to be developed for non-GSO satellites with short-duration missions, independent of the size of the satellite.

"and

"Furthermore, it is important to ensure that any satellite radio-frequency operation avoids harmful interference to incumbent and authorized systems and services. The two frequency bands below 1 GHz under consideration for new or upgraded allocation to the SOS (150.05-174 MHz and 400.15-420 MHz) are used for a wide variety of terrestrial and space applications, including for safety of life purposes, and some of these bands are heavily used on a consistent basis. Nevertheless, if new allocations to the SOS in these frequency bands are considered, they should not put undue constraints on any incumbent services."

You can download the complete PDF at
https://www.itu.int/en/ITU-D/Conferences/GSR/2019/Documents

[ANS thanks AMSAT-UK for the above information.]

SSA Defends 23cm Band Against Galileo Threat

Sweden's national amateur radio society, the SSA, has sent a supplementary letter to the communications regulator PTS ahead of the next meeting of the CEPT ECC Conference Preparatory Group CPG-19.

The SSA report:

At a previous CEPT meeting (PTA), France has proposed an agenda item to WRC-23 that the coexistence between satellite navigation (e.g., Galileo) and amateur radio in the band 1240-1300 MHz should be investigated. The proposal was voted down at the preparatory PTA meeting, but France has now sent letters to the various telecommunications authorities with a request that they now support this proposal at the forthcoming CPG19-9. SSA opposes this.

SSA has therefore sent a supplementary letter to PTS about our 23 cm amateur band. Our section leader for IARU and VUSHF Mats SM6EAN explains the background and our opinion on our section pages. Here you can also read the new letter to PTS.

Link to the letter in Google English is available at
https://tinyurl.com/SwedenSSA

[ANS thanks AMSAT-UK for the above information.]

Upcoming Satellite Operations

St Pierre et Miquelon (GN16) August 10-18, 2019
A DXpedition is planned to St Pierre et Miquelon, August 10th through the 18th. The team will operate as T05M will from Ile aux Marins on 6-160m, but there is a possibility of some FM Satellites. Keep an eye on their website for updates at http://fp2019.net/

Santa Rosa Island, CA (CM93) August 12-14, 2019
Ron, AD0DX, is heading back to Santa Rosa Island, August 12th -14th. When not distracted by the feathered-birds, Ron will be on FM and linear satellites as W6R. Keep an eye on Ron's Twitter feed for updates at the dates get closer at https://twitter.com/ad0dx

Goose Bay, Labrador (FO-93) August 12-14, 2019
Chris, VE3FU, will be visiting family / friends and maintenance of his HF remote station in FO93, but he should be on the FM sats as VO2AC. Chris will try to post here before each pass, so keep an eye on his Twitter feed at https://twitter.com/ChrisVE3FU

6Y Jamaica (FK18) AUGUST 12-19, 2019
Philippe, EA4NF will be operating from Jamaica (IOTA NA-097 Grid FK18) in Satellite with the special call 6Y4NF from August 12 to 19. QRV Satellite in FM and SSB. QSL via LoTW. Keep an eye on Philippe's Twitter feed for further updates at https://twitter.com/EA4NF_SAT.

AM1SAT (All Grids in Spain) September 9-15
AMSAT-EA will be transmitting its special call AM1SAT via all active satellites from September 9th to September 15th as part of the V RadioHam Fair IberRadio 2019 activities. IberRadio is the biggest event for the ham community in Southwest Europe and will open doors September 14th and 15th . Learn more about IberRadio at http://www.iberradio.es.

AM1SAT call sign will be active from a minimum of 14 different grids during that time to help satellite operators to collect as much EA locators as possible.

As part of this activity and in order to promote the participation, AMSAT-EA is sponsoring the AM1SAT Special Award in two categories: SILVER and GOLD

More info available at https://www.amsat-ea.org/ and as a pdf at https://tinyurl.com/ANS-223-AMSAT-EA

[ANS thanks Robert Bankston, KE4AL for the above information.]

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[ANS thanks Drew Glasbrenner, KO4MA for the above information.]

+ AMSAT-DL Building Antarctic Ground Station for QO-100

AMSAT-DL is hurriedly building a ground station for Antarctica that will link to QO-100. The purpose for the installation is to provide a scientific platform to engage students in studying climate change and its effects in the polar regions.

Read the complete article at
https://amsat-dl.org/en/wie-wird-die-antarktis-auf-qo-100-qrv/

[ANS thanks AMSAT-DL for the above information.]

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT office.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of six post-secondary years in this status.

Contact Martha at the AMSAT office for additional student membership information.

73,
This week's ANS Editor,
Frank Karnauskas, N1UW
n1uw at amsat dot org

Sent via AMSAT-BB(a)amsat.org. AMSAT-NA makes this open forum available to all interested persons worldwide without requiring membership. Opinions expressed are solely those of the author and do not reflect the official views of AMSAT-NA.

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